

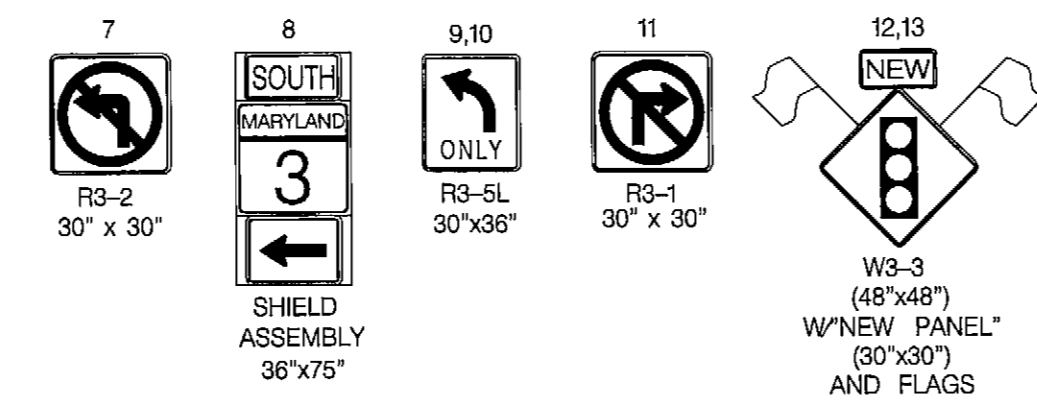
DRILL HOLES

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MD 3 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

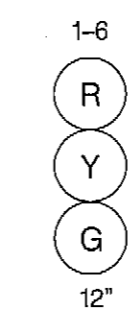
PROPOSED SIGNS



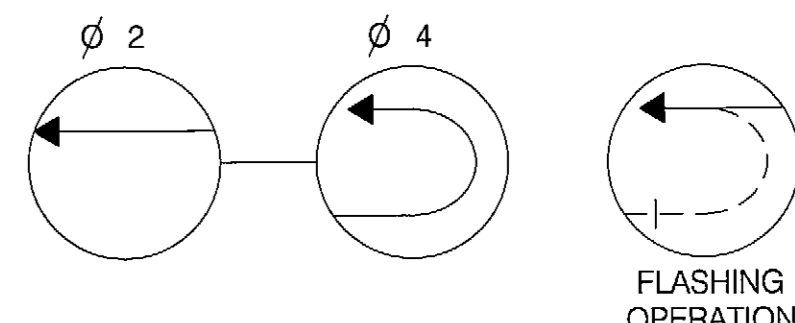
PROPOSED VIDEO DETECTION CAMERA



PROPOSED L.E.D. SIGNAL HEADS

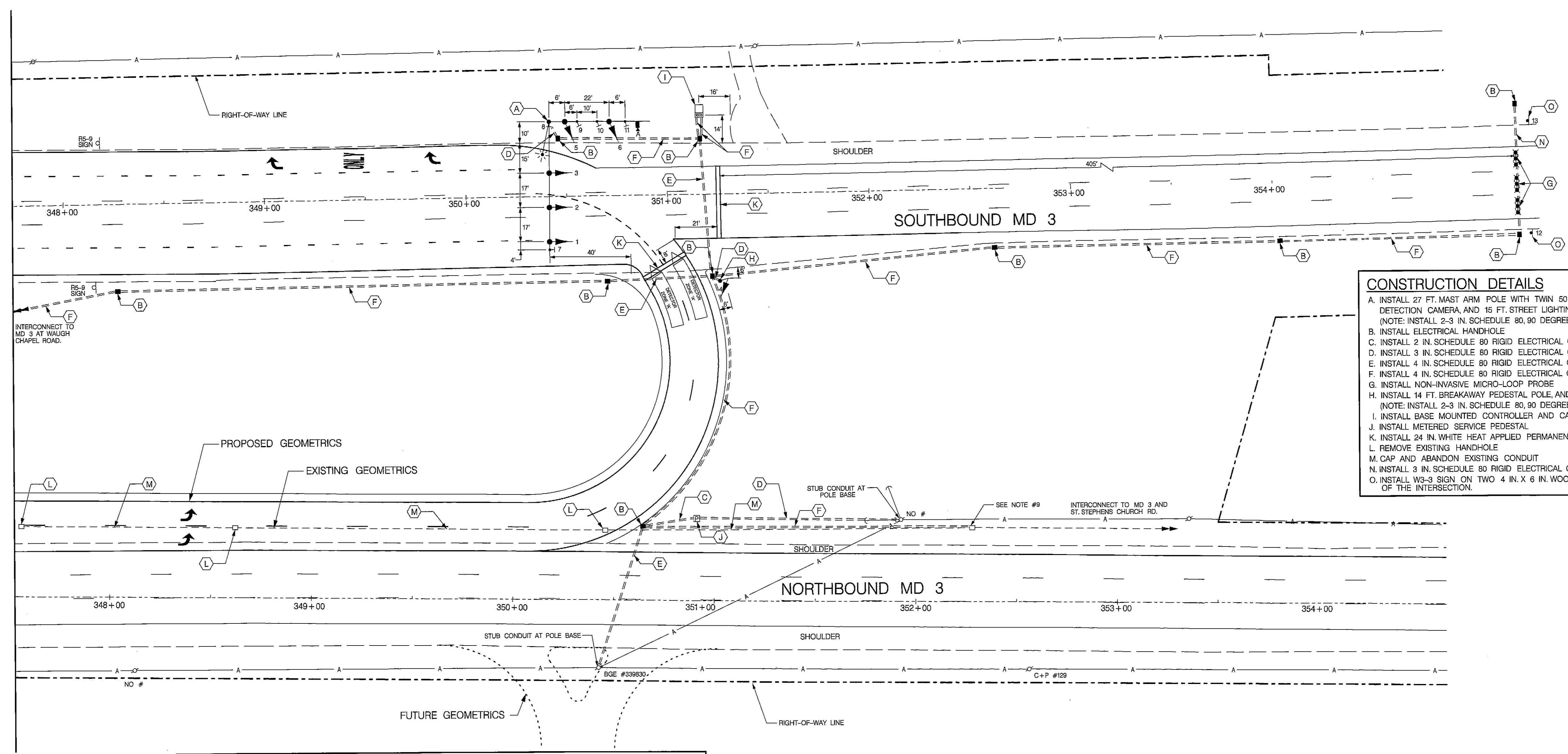


NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

MATCH LINE - SEE SHEET TS - 1515D



- CONSTRUCTION DETAILS**
- A. INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, AND 15 FT. STREET LIGHTING ARM WITH 250 WATT HPSV LUMINAIRE (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - B. INSTALL ELECTRICAL HANDHOLE
 - C. INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
 - D. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
 - E. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
 - F. INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
 - G. INSTALL NON-INVASIVE MICRO-LOOP PROBE
 - H. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE AND SIGNAL HEAD (NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
 - I. INSTALL BASE MOUNTED CONTROLLER AND CABINET
 - J. INSTALL METERED SERVICE PEDESTAL
 - K. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
 - L. REMOVE EXISTING HANDHOLE
 - M. CAP AND ABANDON EXISTING CONDUIT
 - N. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
 - O. INSTALL W3-3 SIGN ON TWO 4 IN. X 6 IN. WOOD SUPPORTS APPROXIMATELY 850 FT. IN ADVANCE OF THE INTERSECTION.

- GENERAL NOTES**
1. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
 2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
 3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
 4. ALL INTERNAL CABINET WIRING TO BE PERFORMED BY THE STATE HIGHWAY ADMINISTRATION SIGNAL SHOP.
 5. FOR ADDITIONAL SIGNING AND PAVEMENT MARKING SEE PLAN SHEETS
 6. INSTALL CONDUIT AND DETECTION PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
 7. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT BEING REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE WORK.
 8. THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
 9. DISCONNECT EXISTING INTERCONNECT CABLE FROM THE EXISTING CONTROLLER AT MD 3 & WAUGH CHAPEL RD. AND PULL BACK TO THIS POINT. RE-INSTALL THROUGH NEW CONDUIT TO THE NEW BASE MOUNTED CABINET & CONTROLLER AT THIS INTERSECTION.

GEOMETRIC LEGEND	
EXISTING	---
PROPOSED	---
UTILITY LEGEND	
AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite B
Gambrills, MD 21054
(410) 923-7101
FAX: (410) 923-6473
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

APPROVALS	
TEAM LEADER	<i>[Signature]</i> 9/14/09
ASST. DIV. CHIEF	<i>[Signature]</i> 9/14/09
DIVISION CHIEF	<i>[Signature]</i> 5/14/09
OFFICE DIRECTOR	
FILE PATH: \$FILES	
DATE: \$DATES	

REVISIONS	

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
SOUTHBOUND MD 3 AT NORTHBOUND MD 3 "J-TURN"	
TRAFFIC SIGNALIZATION PLAN	
SCALE 1"=30'	DATE 8-1-09 CONTRACT NO. BW-996M82
DESIGNED BY T. ZAYDEL	COUNTY ANNE ARUNDEL
DRAWN BY T. ZAYDEL	LOGMILE 02000304.16
CHECKED BY K. SCHMID	T.I.M.S. NO. J - 663
F.A.P. NO. NA	TOD NO.
DRAWING NO. TS- 4725	SHEET NO. 1 OF 2